

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 641 - L2 Version 5  
Chandra X-Ray Center

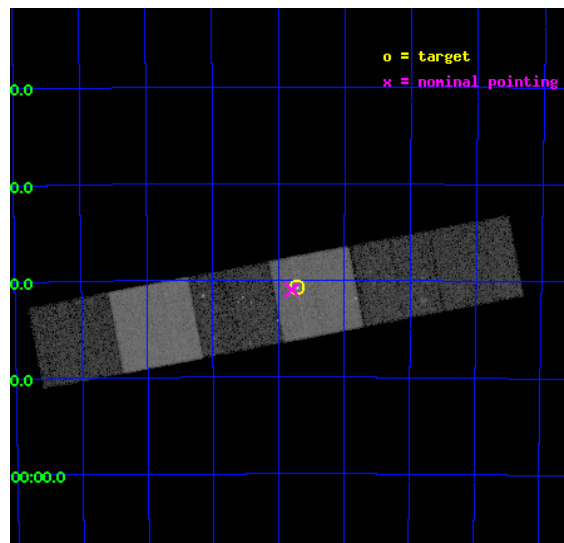
L2 Processing Date : Aug 26 2012

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# 1 Front

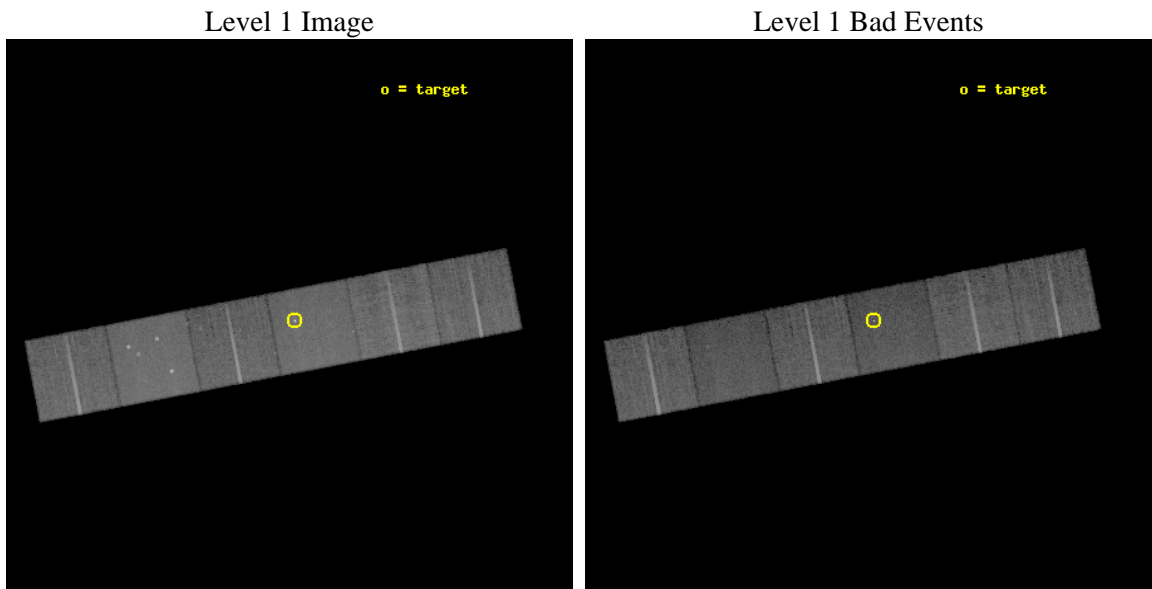
seq_num	200066	Sequence number
obs_id	641	Observation id
title	COORDINATED AXAF AND HST SPECTROSCOPY OF FLARES ON PROXIMA CENTAURI	&#160
observer	Dr. Jeffrey Linsky	Principal investigator
object	PROXIMA CENTAURI	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.42875	Observer's specified target RA [deg]
dec_targ	-62.679472	Observer's specified target Dec [deg]
ra_nom	217.44914611269	Nominal RA [deg]
dec_nom	-62.683150279854	Nominal Dec [deg]
roll_nom	349.16473364921	Nominal Roll [deg]
revision	5	Processing version of data
ontime	19033.600017712	Sum of GTIs [s]
livetime	18792.585113629	Livetime [s]
ontime4	19033.600017712	Sum of GTIs [s]
ontime5	19033.600017712	Sum of GTIs [s]
ontime6	19033.600017712	Sum of GTIs [s]
ontime7	19033.600017712	Sum of GTIs [s]
ontime8	19033.600017712	Sum of GTIs [s]
ontime9	19033.600017712	Sum of GTIs [s]
l2events	196405	Number of level 2 events



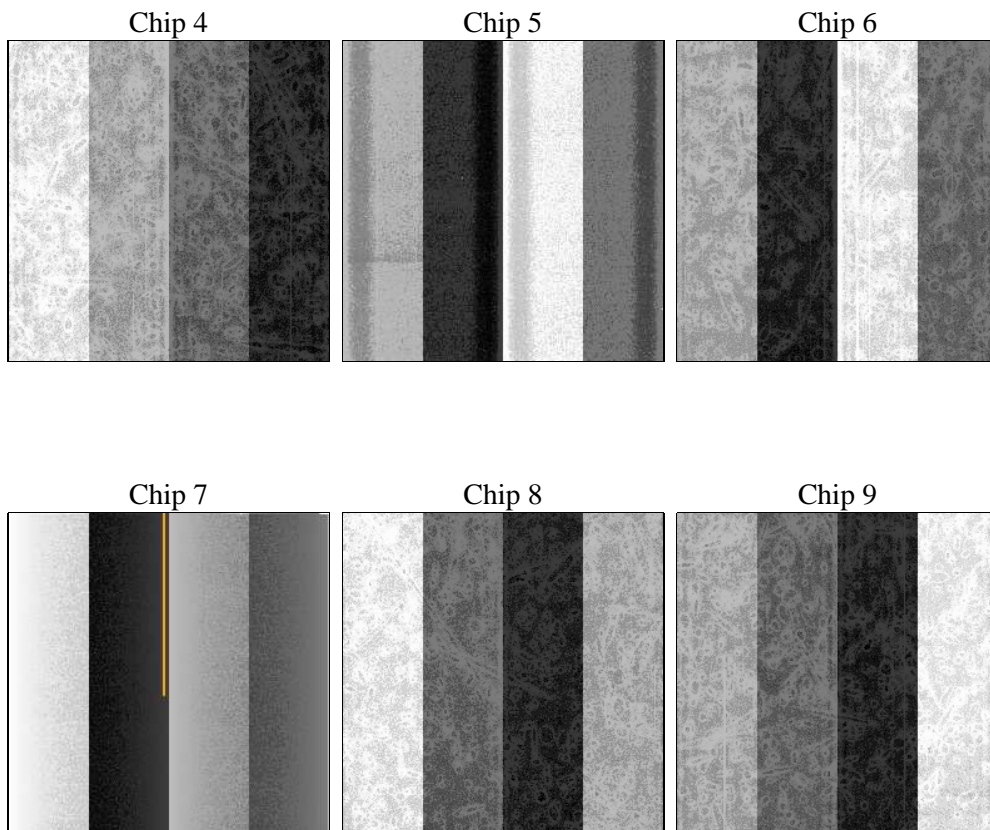
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19219.254000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19033.600017712	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime4	19033.600017712	Sum of GTIs [s]
date	2012-08-26T22:16:05	Date and time of file creation	ontime5	19033.600017712	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	19033.600017712	Sum of GTIs [s]
			ontime7	19033.600017712	Sum of GTIs [s]
			ontime8	19033.600017712	Sum of GTIs [s]
			ontime9	19033.600017712	Sum of GTIs [s]
			l1events	902167	Number of level 1 events

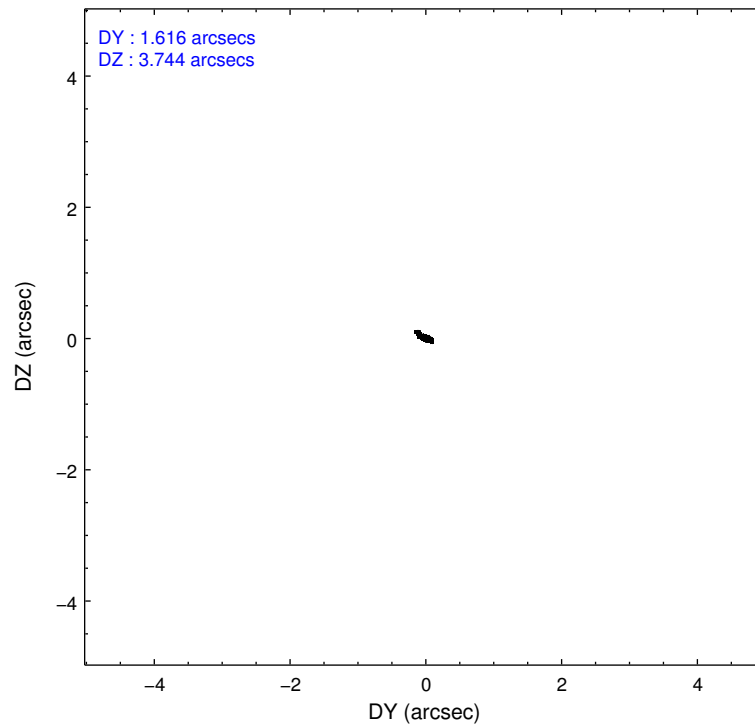
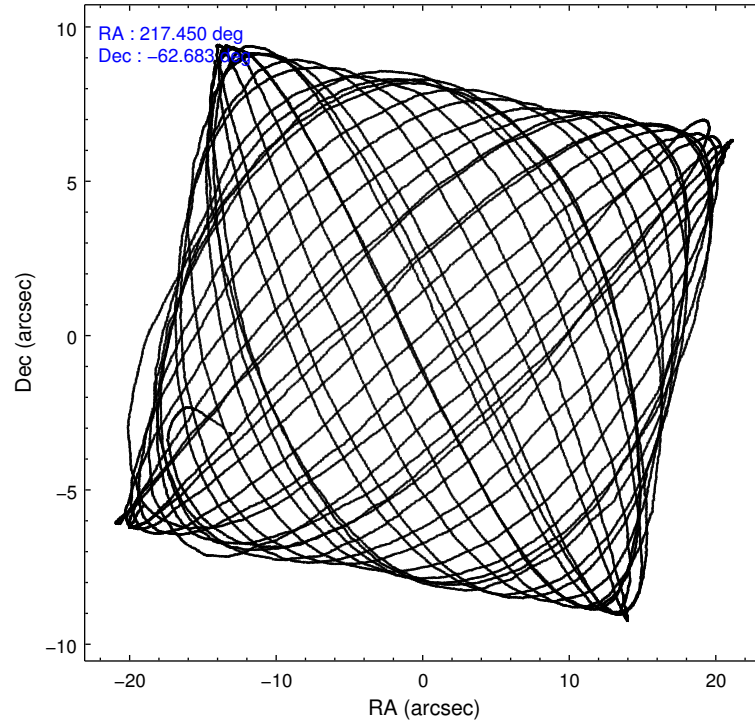
### 2.1.4 Events

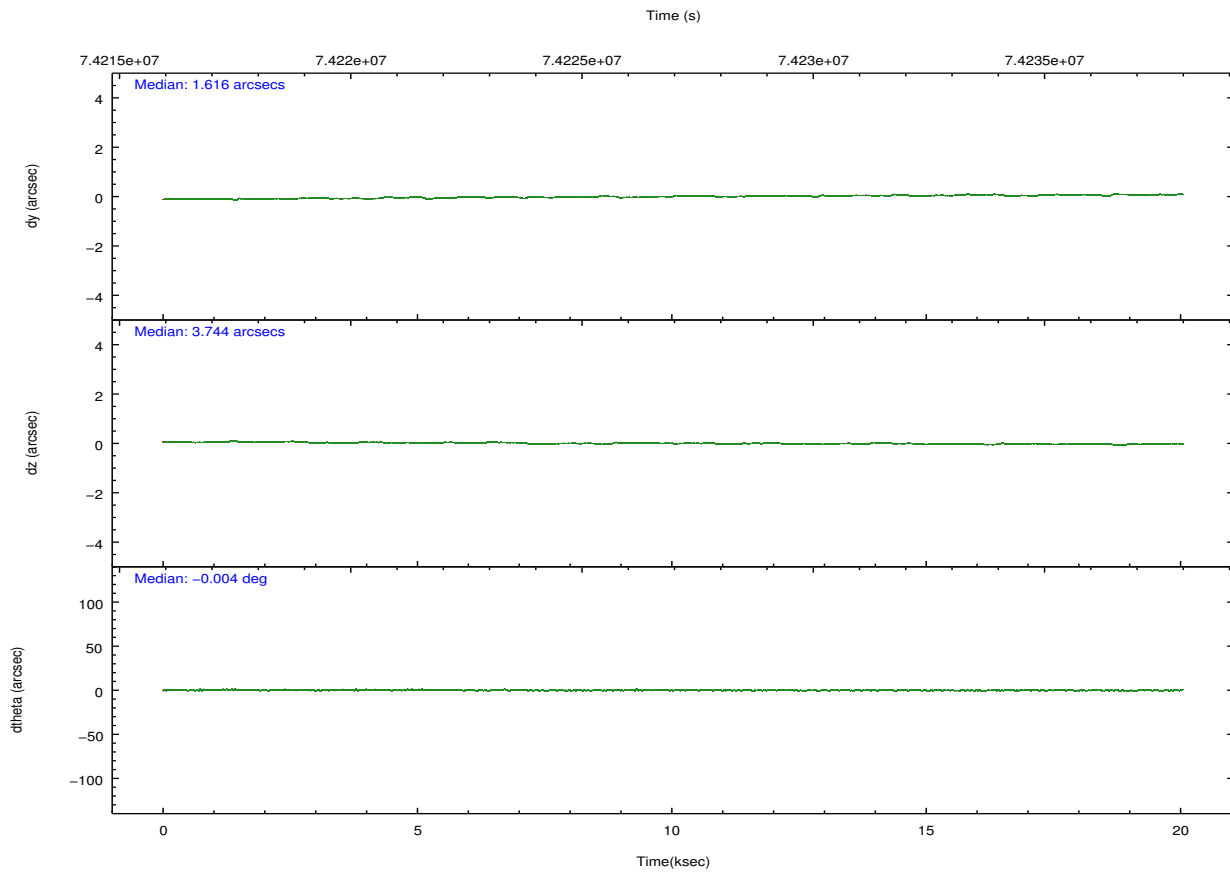
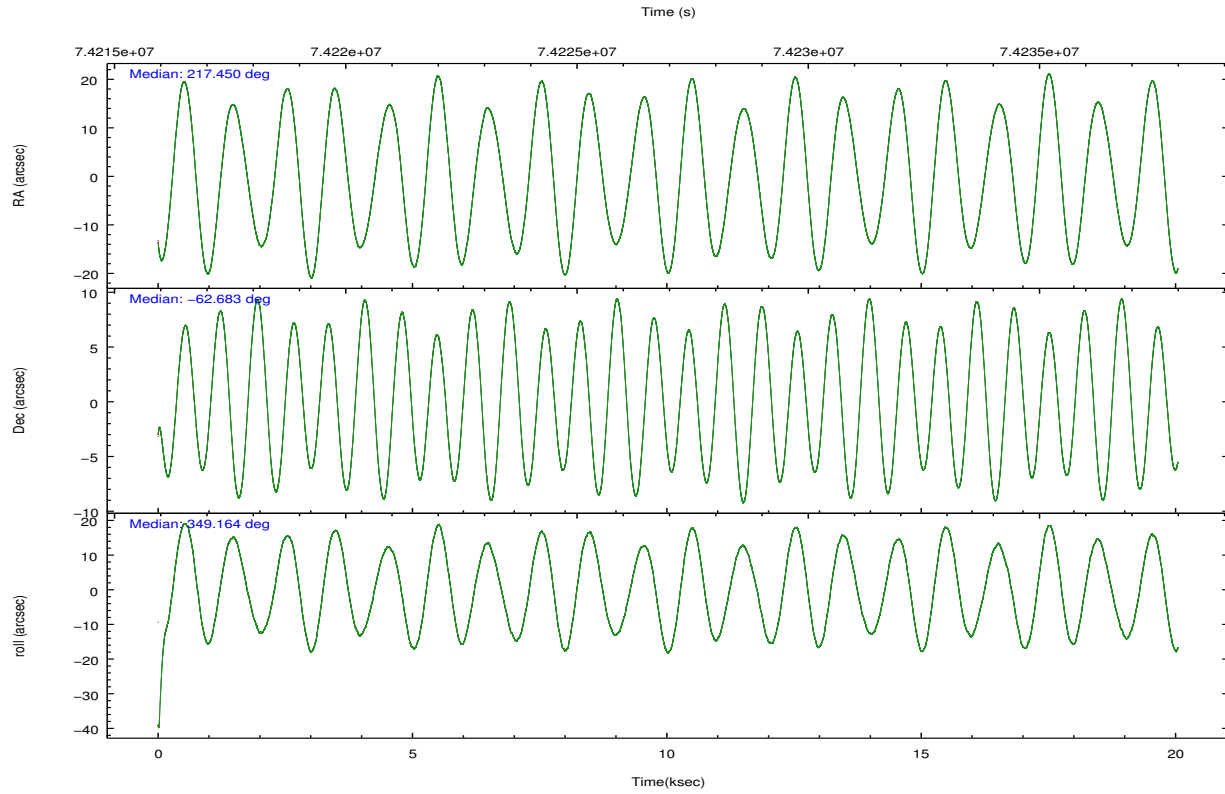
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	144605	170184	133206	161927	162025	130220	grade 0 events	6653	11908	6845	8304	10542	6347
rejected events	129414	88636	117671	90772	130592	115368		4%	6%	5%	5%	6%	4%
rejected %	89%	52%	88%	56%	80%	88%	grade 1 events	72	312	60	296	103	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	3376	22715	2923	14020	6629	2890
								2%	13%	2%	8%	4%	2%
							grade 3 events	1444	3763	1502	6591	3305	1428
								0%	2%	1%	4%	2%	1%
							grade 4 events	1322	3494	1439	6620	2995	1460
								0%	2%	1%	4%	1%	1%
							grade 5 events	4113	12801	4942	15325	6225	4863
								2%	7%	3%	9%	3%	3%
							grade 6 events	2402	39697	2830	35650	7966	2731
								1%	23%	2%	22%	4%	2%
							grade 7 events	125223	75494	112665	75121	124260	110457
								86%	44%	84%	46%	76%	84%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	217.392744	217.4491461126873	Subarray requested	NONE	NONE
[deg] Pointing Dec	-62.692220	-62.68315027985354	Alternating exposures requested	N	N
[deg] Pointing Roll	348.958014	349.1647336492107	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	74044864.184000	74044864.184000			
[s] Window stop time (MET)	74300464.184000	74300464.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-187.132523	-187.1254020033014			
[mm] SIM translation stage offset	-3	-3.007120579706367			
[s] Observation start time (MET)	74217777.184000	74216501.008683			
Observation start date	2000-05-09T00:01:53	2000-05-08T23:41:41			
[s] Observation end time (MET)	74236996.184000	74237305.43444701			
Observation end date	2000-05-09T05:22:12	2000-05-09T05:28:25			
Read mode	TIMED	TIMED			

## 2.3 Aspect





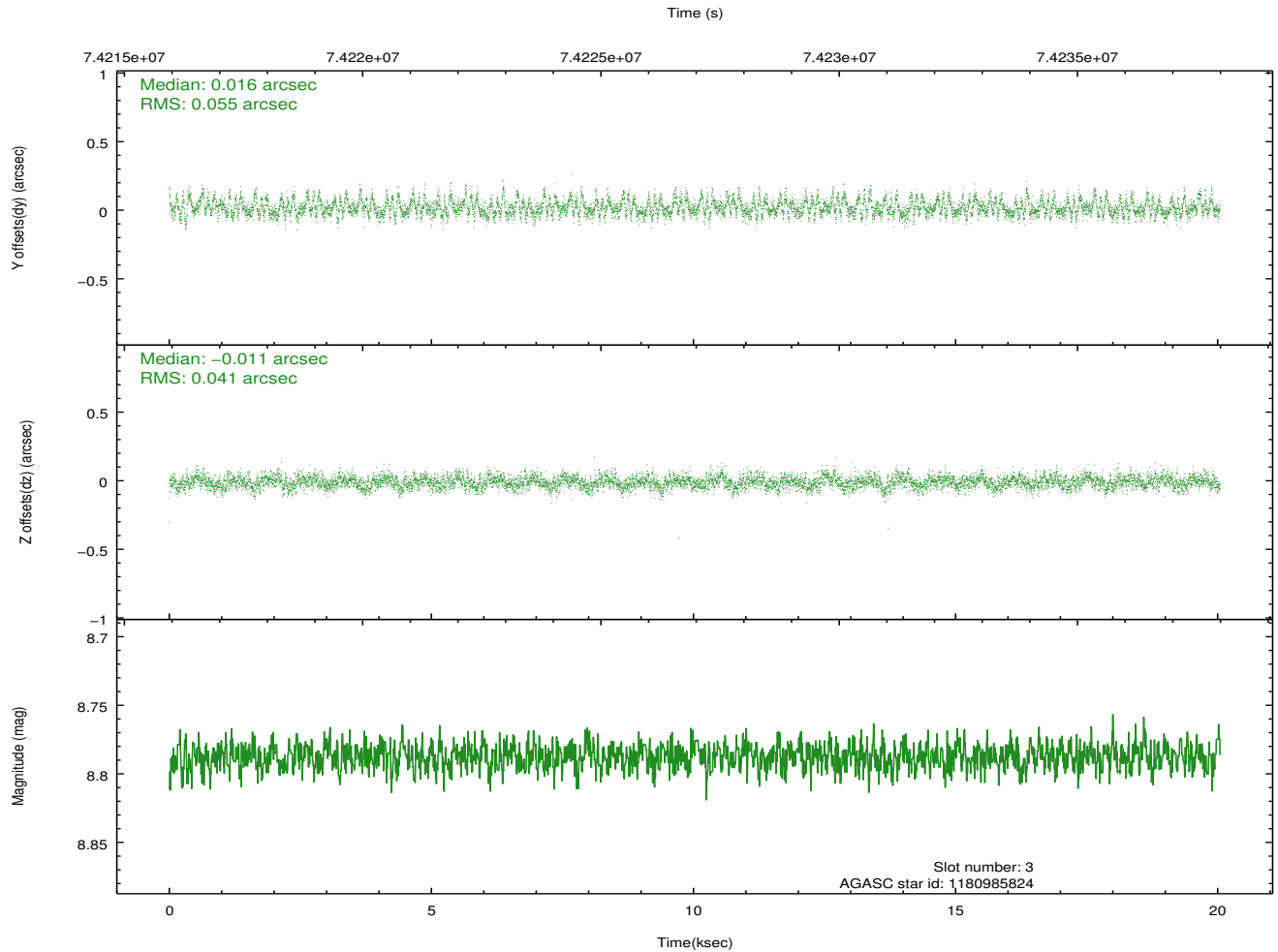
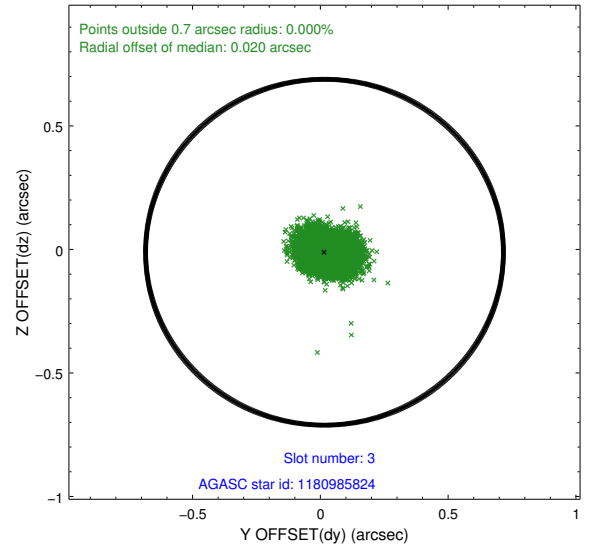
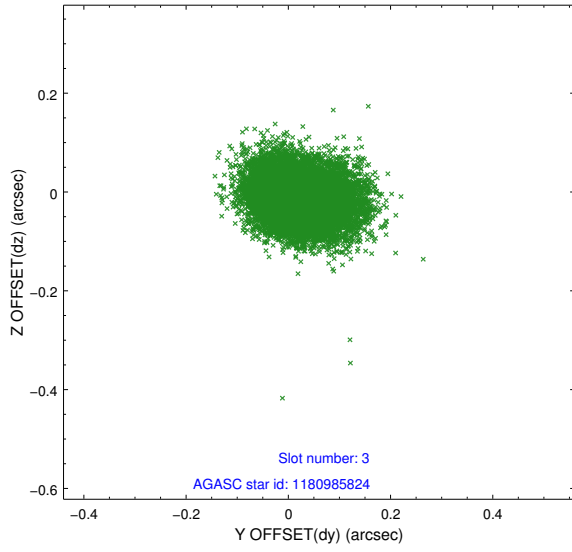
### Slot Statistics

	status	id	mag	n_pts	med_dy	med_dz	dr1
	FID	ACIS-S-2	7.10	4888	-0.061	-0.029	0.007
	FID	ACIS-S-4	7.20	4888	0.014	0.037	0.006
	FID	ACIS-S-5	7.23	4890	0.016	0.001	0.006
	GUIDE	1180985824	8.79	9778	0.016	-0.011	0.072
	GUIDE	1180982296	8.83	9774	-0.003	-0.022	0.081
	GUIDE	1181131768	8.92	9777	-0.045	0.003	0.074
	GUIDE	1180977136	9.03	9775	0.033	0.033	0.088
0.000	0.000	0.000	0.000000	0.000000	0.00	0.00	

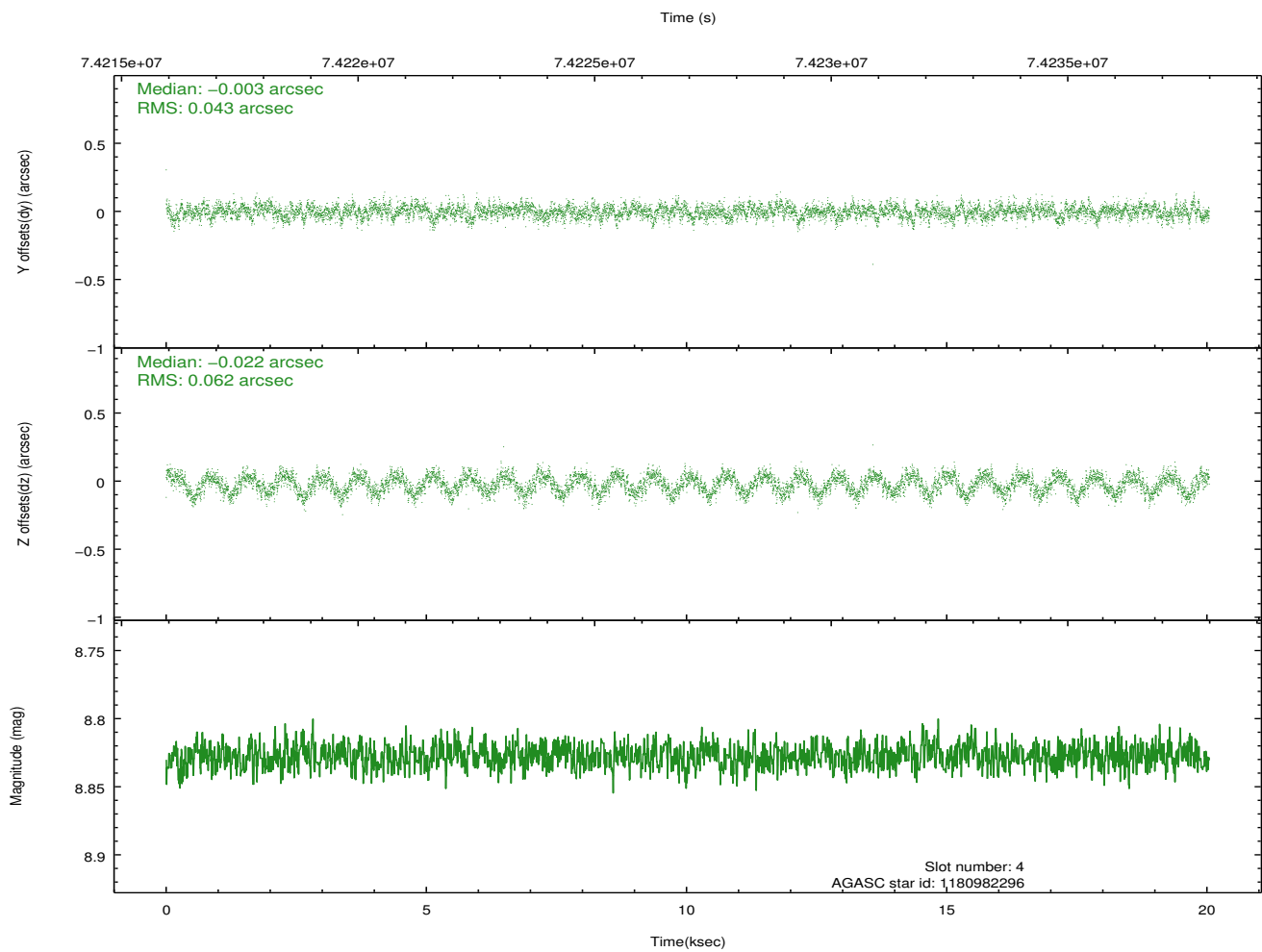
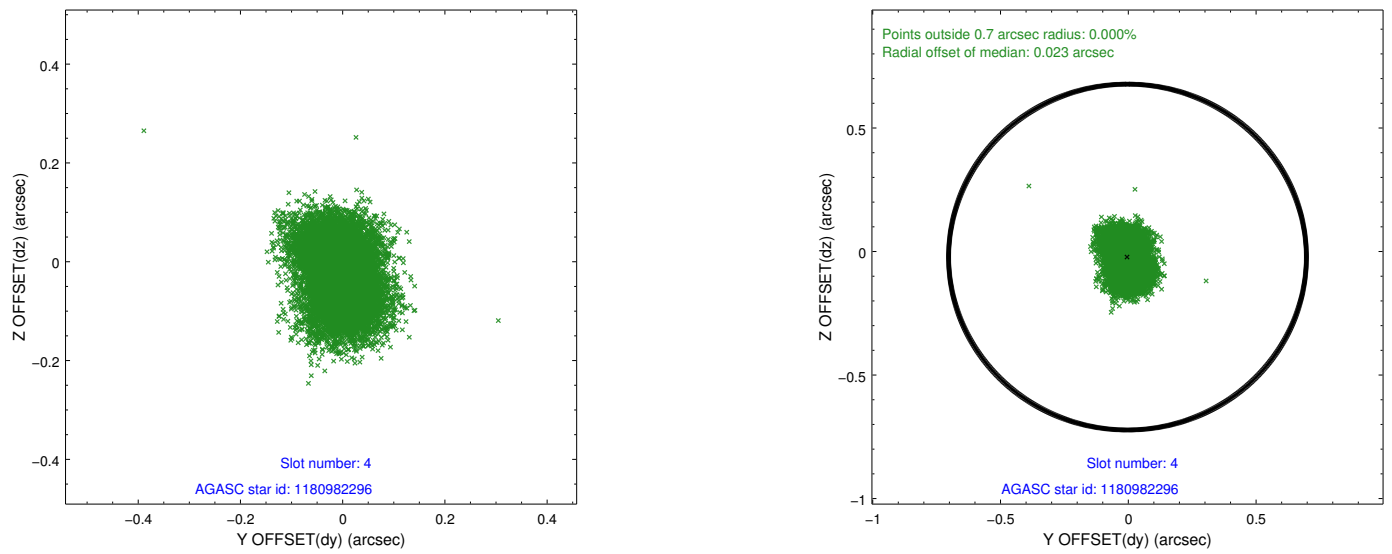
∞

## 2.4 Star Slots

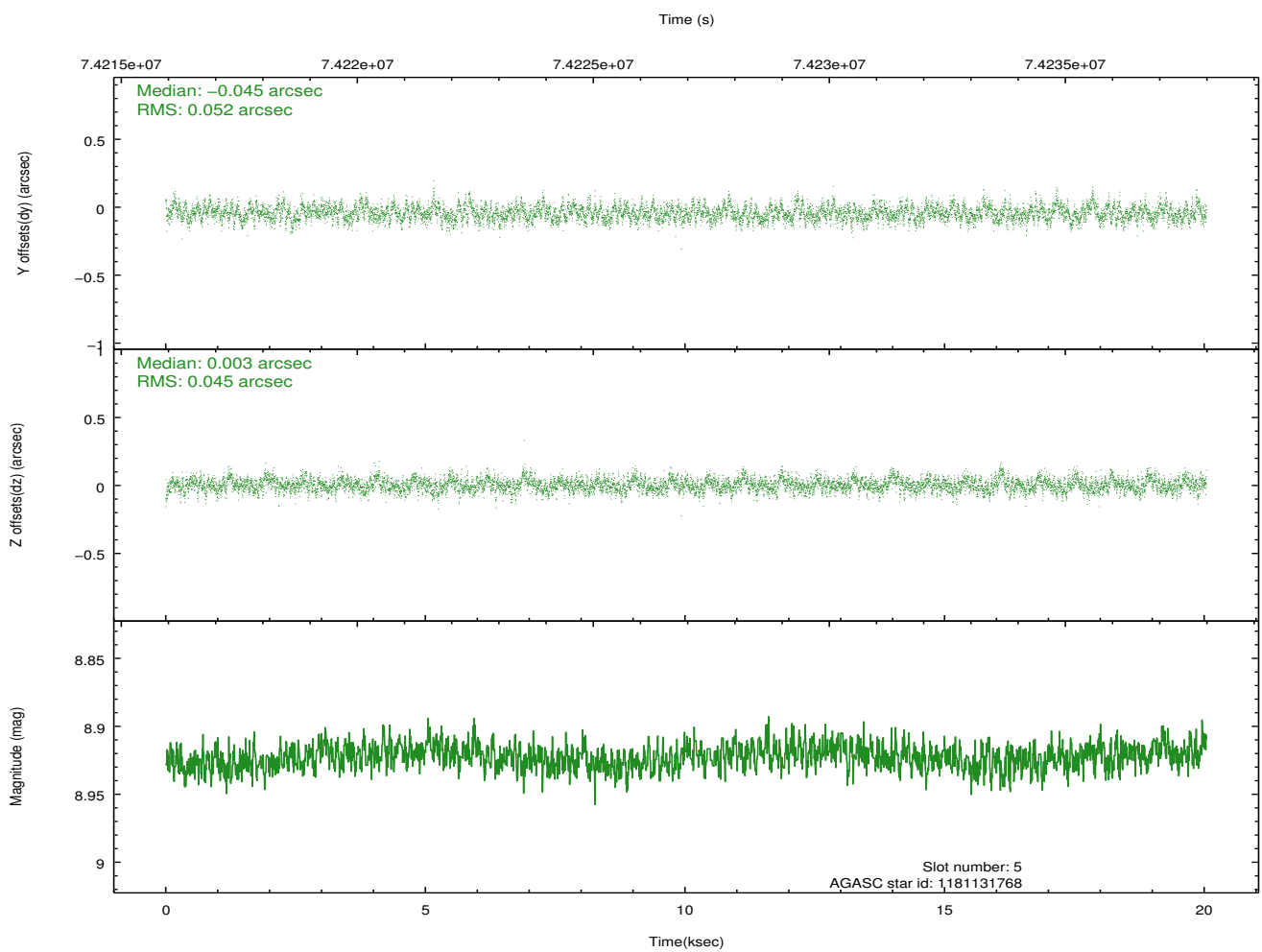
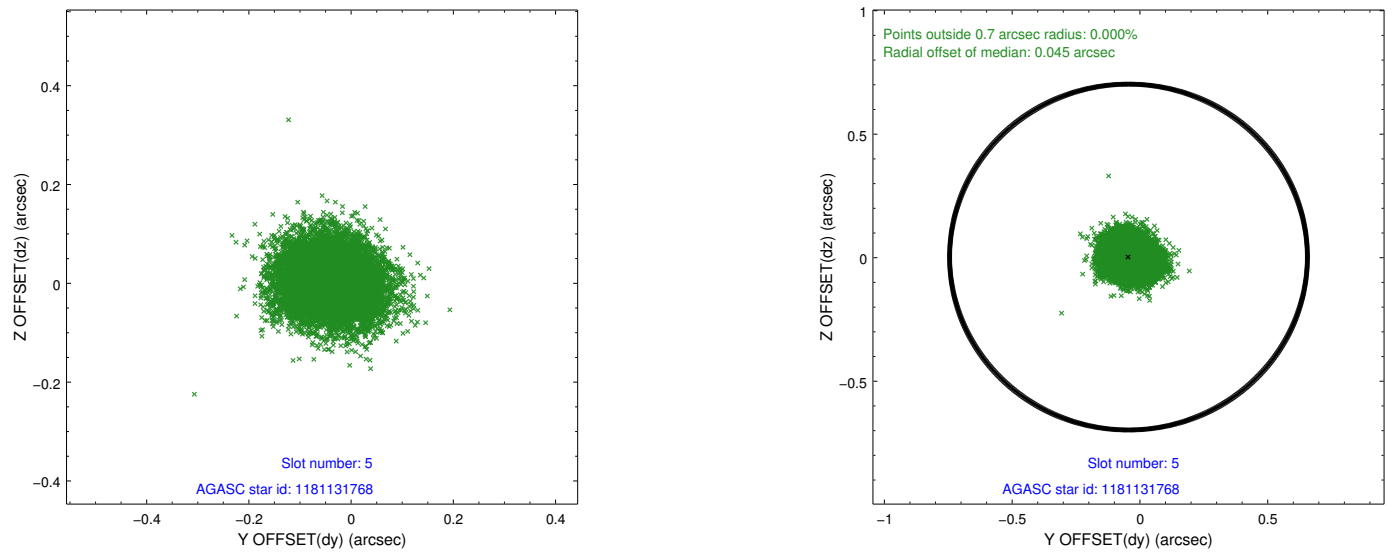
### 2.4.1 Slot 3



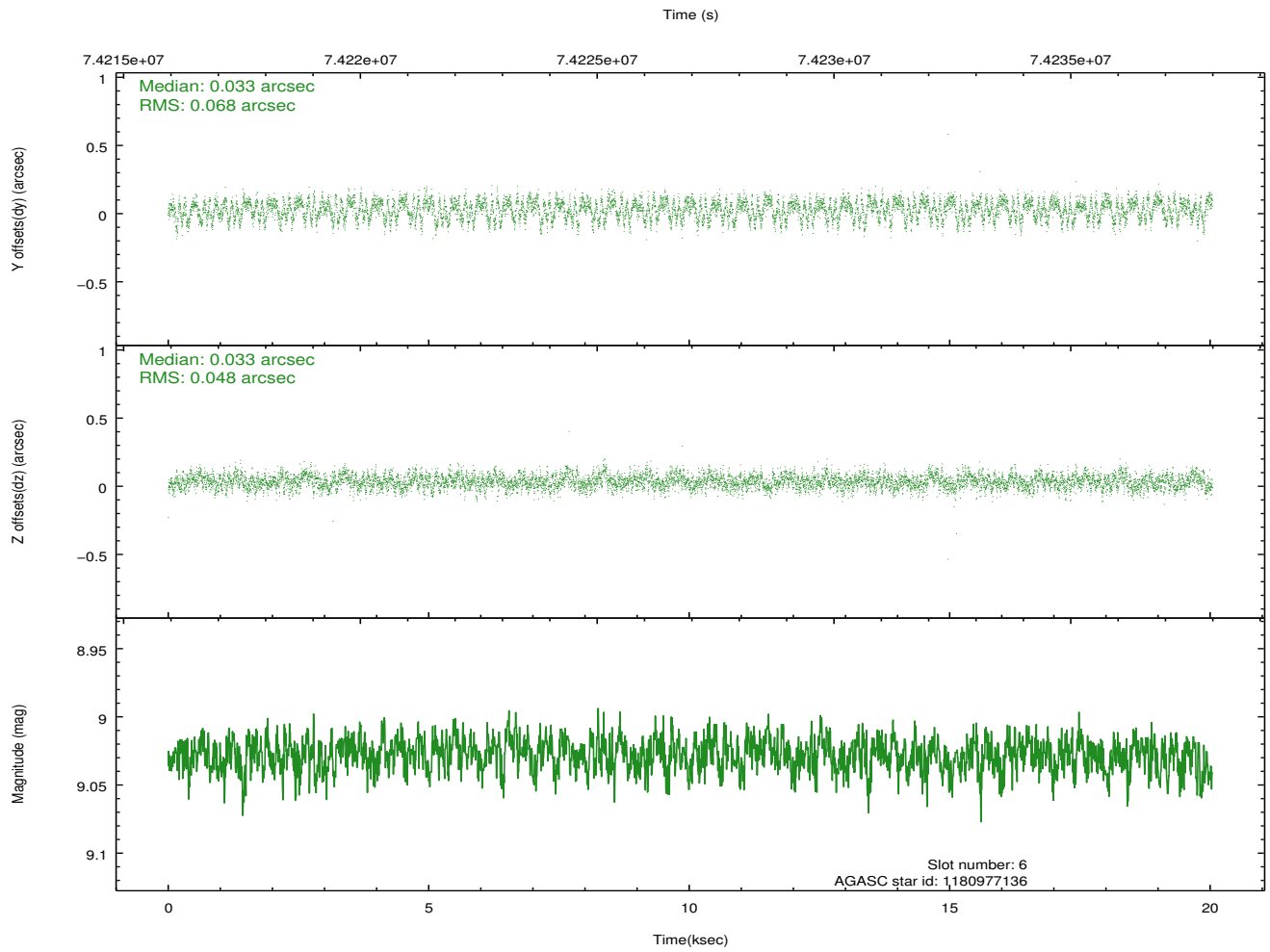
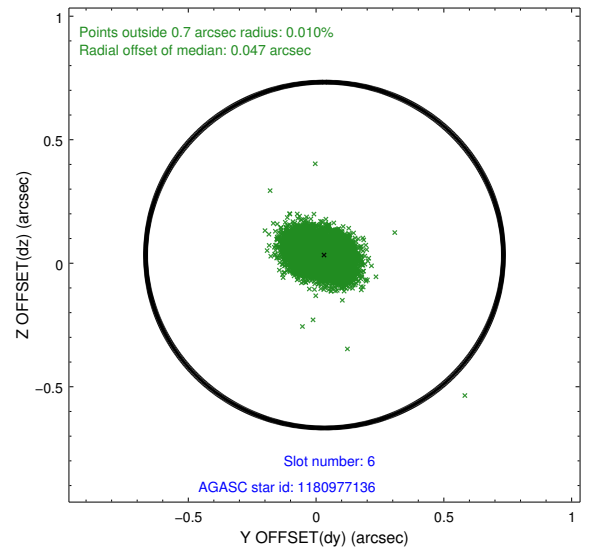
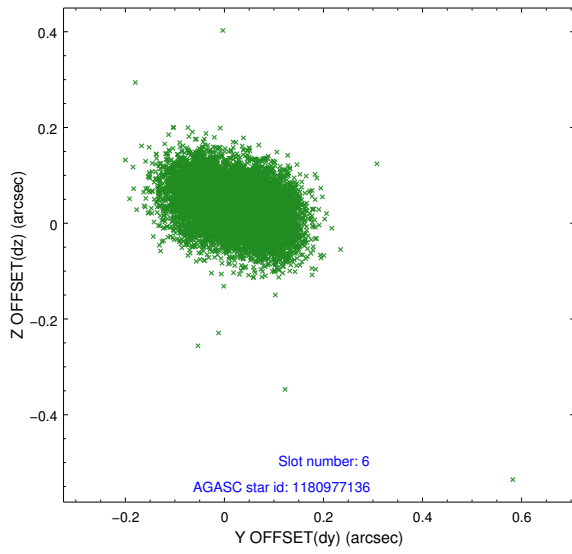
## 2.4.2 Slot 4



### 2.4.3 Slot 5

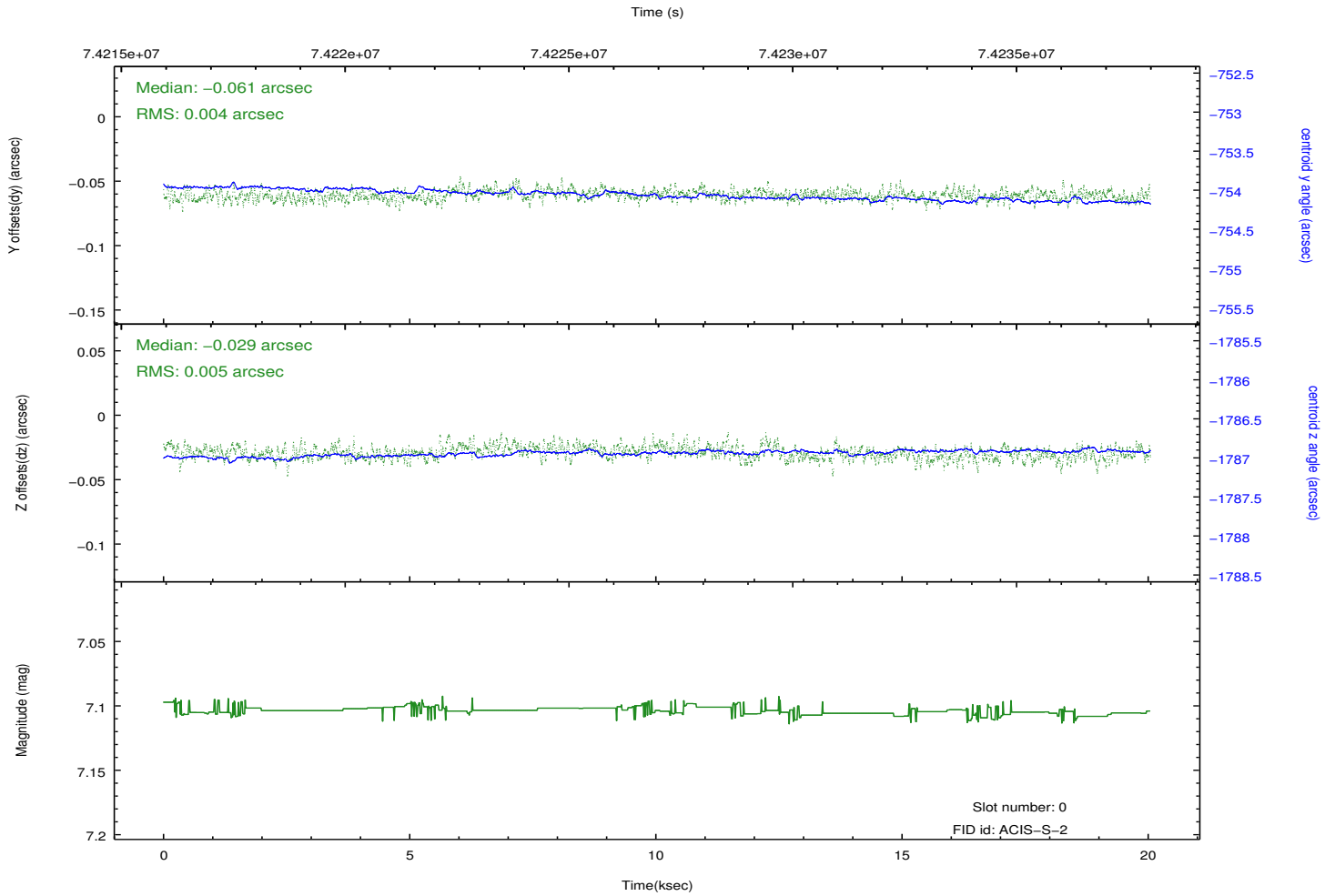
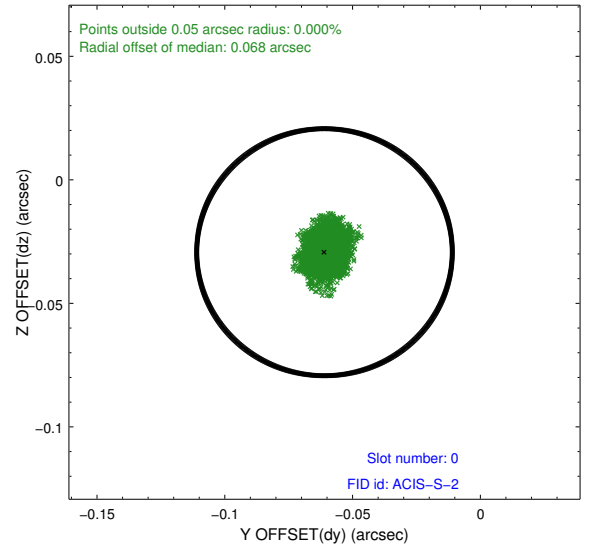
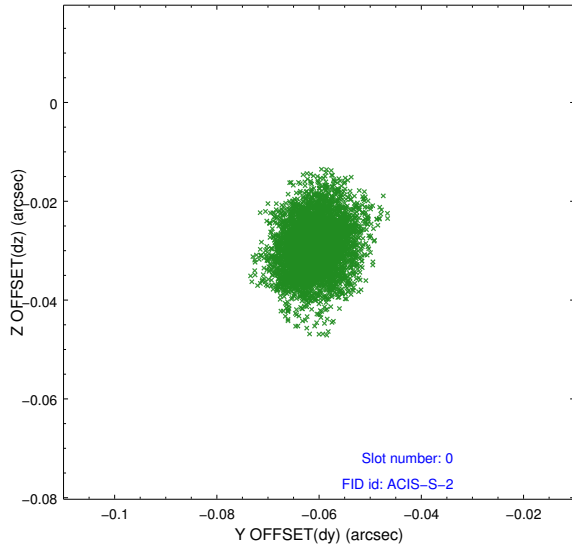


### 2.4.4 Slot 6

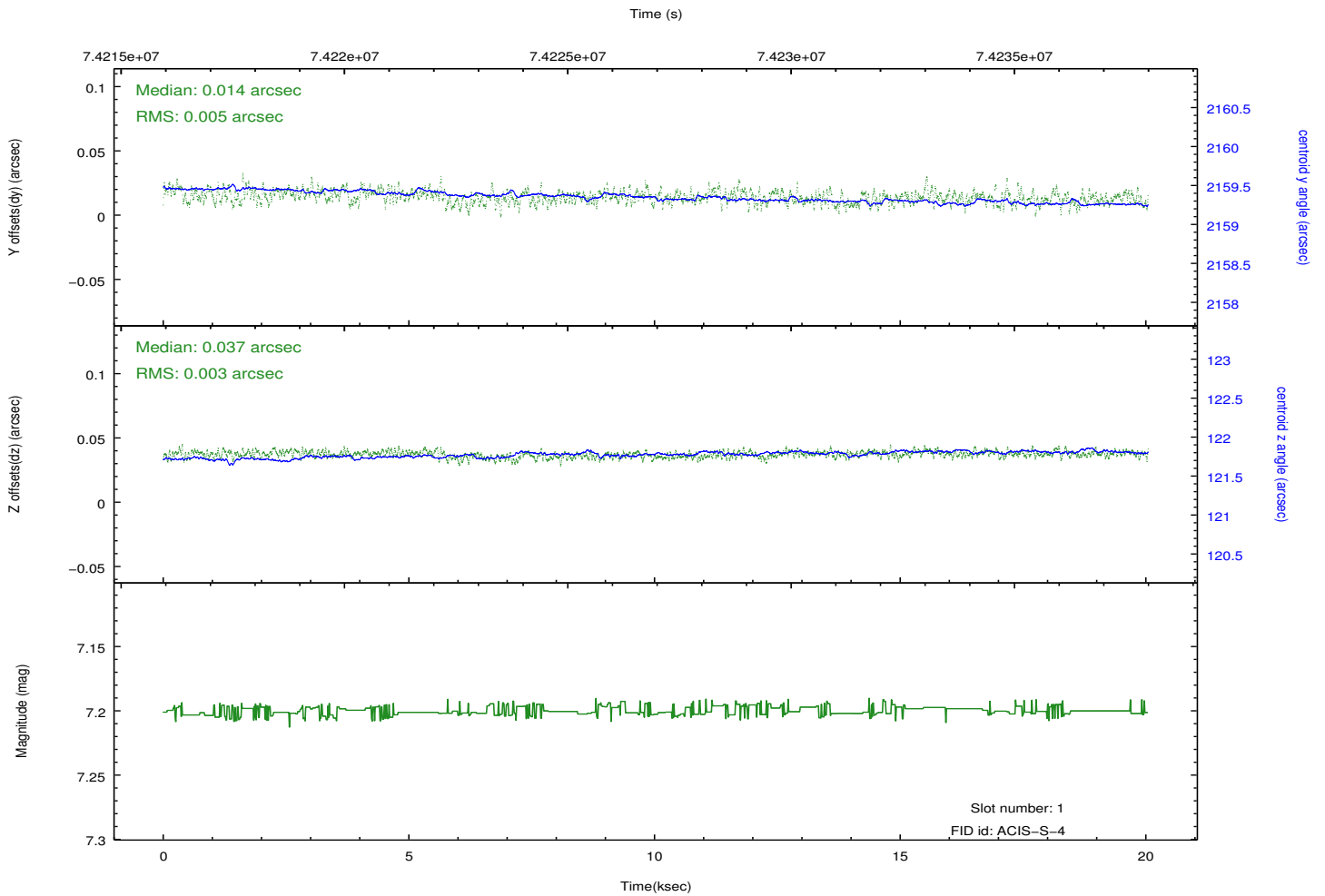
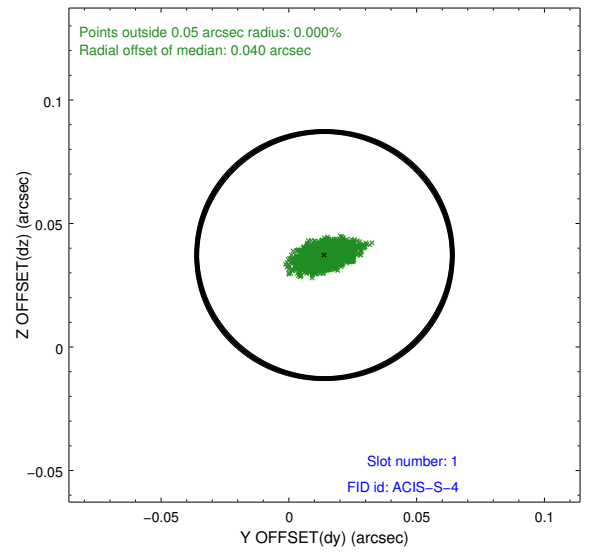
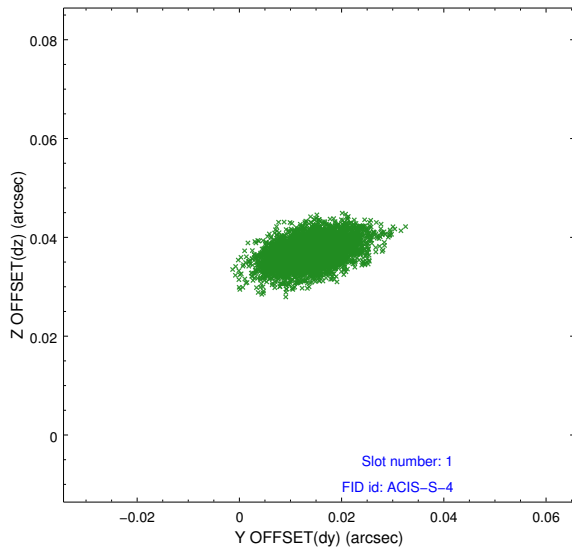


## 2.5 FID Slots

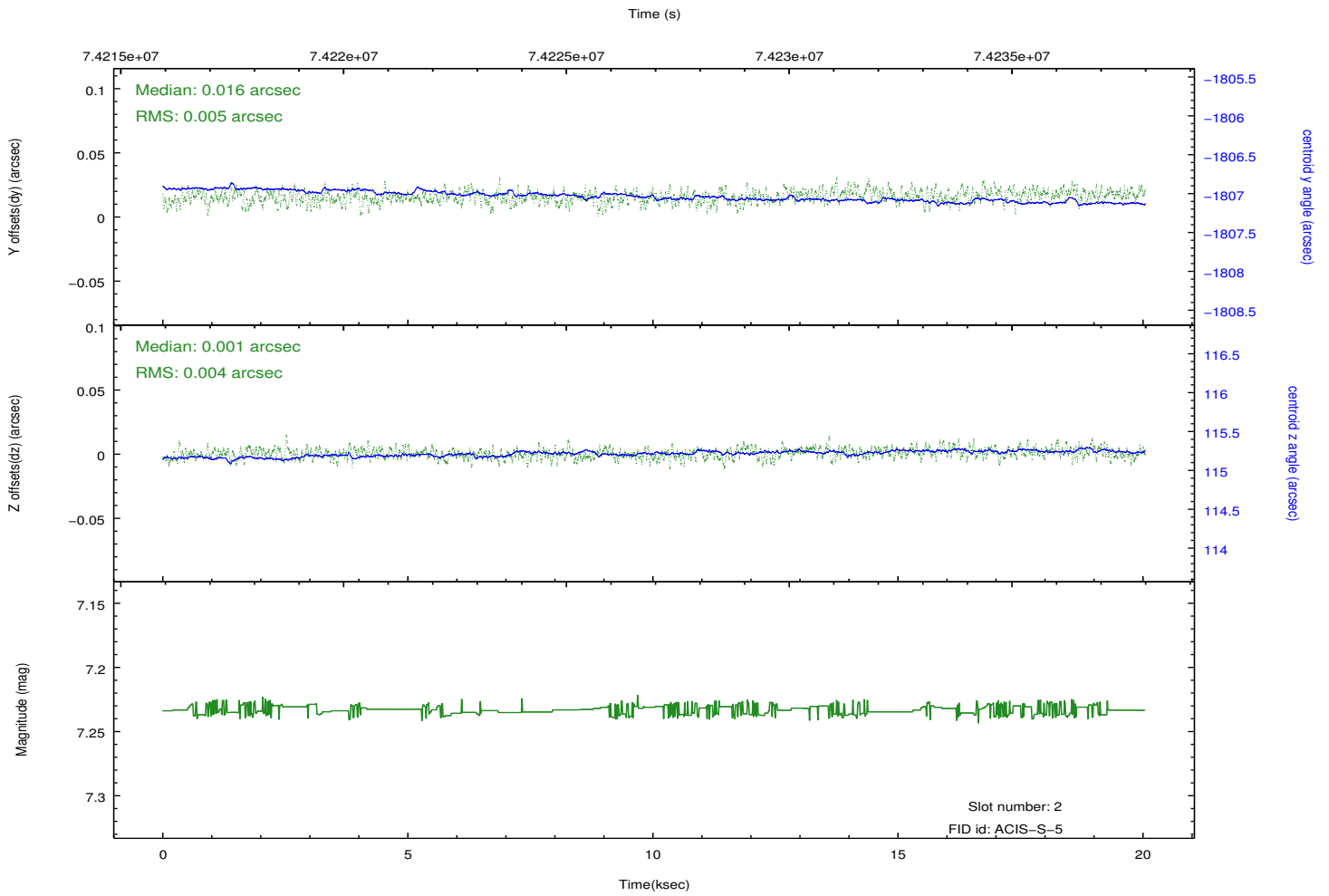
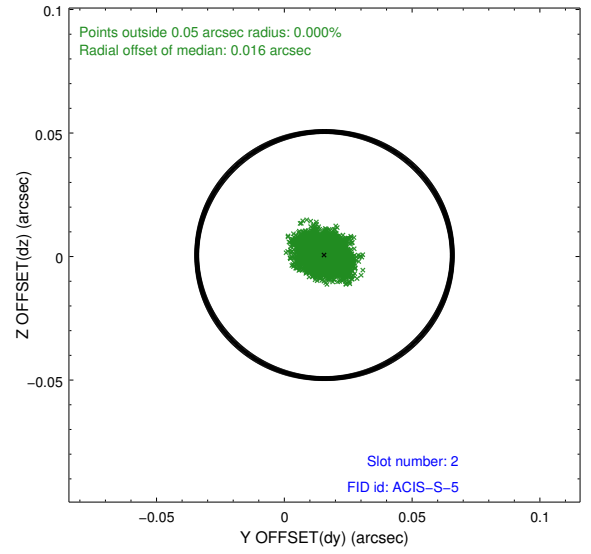
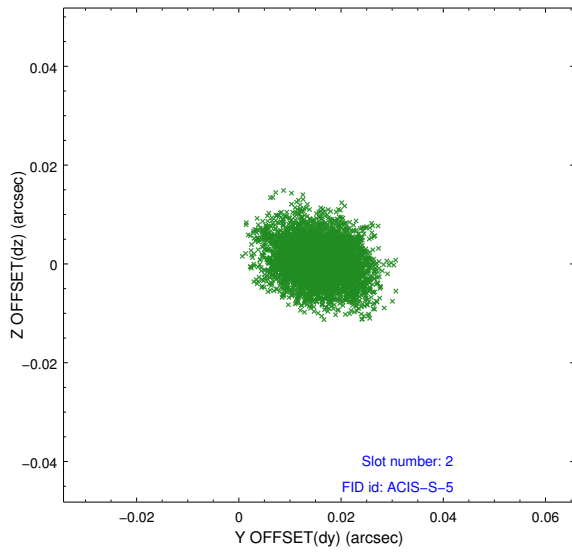
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19

## A.2 Comments

Slot 7 was used for a monitor star. Window constraint met.